

BIRCH, STEWART, KOLASCH & BIRCH, LLP P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the

Insert Title:	invention entitled: NOVEL CAROTENOID HYDROXYLASE GENE, METHOD FOR PREPARING HYDROXYLATED CAROTENOID, AND NOVEL GERANYLGERANYL PYROPHOSPHATE SYNTHASE									
Fill in Appropriate	the specification of which is attached hereto. If not attached hereto, the application is identified by the attorney docket number as set forth above and/or the following:									
Information -	The specification was filed on May 15, 2006						as			
For Use Without	United States App	lication Number								
Specification	and amended on	41 1				(if applicable	e) and/or			
Attached:	the specification w	November 4, 2	6207			_ as PCT				
	international App	lication Number	101/012004/01	0237			and was			
	amended on									
	I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal									
	I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows. I hereby claim foreign priority benefits under Title 35, United States Code, \$119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:									
	Prior Foreign Applica	ation(s)	• ,			Priority C	Claimed			
Insert Priority	2003-388165	Japan		Novembe	er 18, 2003		_			
Information: (if appropriate)	(Number)	(Country)		(Month /De	(V E:11)	۷	Ö			
(ii appropriate)	2004-165919	Japan		(Month/Day/Year Filed) June 3, 2004		Yes	No			
						Ø				
	(Number)	(Country)		(Month/Da	y/Year Filed)	Yes	No			
	(Number)	(Country)		(Month/Da	y/Year Filed)	□ Yes	□ No			
	(Number)	(Country)		(Month/Da	y/Year Filed)	☐ Yes	□ No			
	I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.									
nsert Provisional Application(s): if any)	(Application Number)	<u> </u>		(Filing I	Date)					
	(Application Number) (Filing Date)									
	All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:									
nsert Requested nformation: if appropriate)	Country		Application Number		Date of Filing (Mont	h/Day/Year)				
	I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s), including for continuation-in-part application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States and/or PCT application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.									
nsert Prior U.S.										
application(s): fany)	(Application Number)	(1	Filing Date)		(Status - patented, pe	ending, abandone	ed)			
age 1 of 2 Rev. 07/2003)	(Application Number)		Filing Date)		(Status - patented, pe	ed, pending, abandoned)				

I hereby appoint the practitioners at CUSTOMER NO. 02292 as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or CUSTOMER NO. 02292

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

•									
all Name of First or Sole Inventor: sert Name of	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*					
all Name of First or Sole Inventor: sert Name of Inventor → sert Date This Document is Signed	Yasuhiro NISHIDA	Yasuhiro Vishida		July 12,2006					
sert Residence sert Citizenship →	Residence (City, State & Country)		CITIZENSHI	P					
	Nakaniikawa-gun, Japan	Japan							
sert Post Office Address → .	MAILING ADDRESS (Complete Street Address	including City, State & Country)							
	975-103, Hirono, Kamiichi-machi, Nakaniikawa-gun, Toyama 930-0412 Japan								
ill Name of Second Inventor, if any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*					
	Kyoko ADACHI	Kyobo Adachi		July 06, 2006					
	Residence (City, State & Country)		CITIZENSHII	P					
	Kamaishi-shi, Japan		Japan						
	MAILING ADDRESS (Complete Street Address including City, State & Country) c/o MARINE BIOTECHNOLOGY INSTITUTE CO., LTD.								
	3-75-1, Heita, Kamaishi-shi, Iwate, 026-0001 Japan								
ill Name of Third Inventor, if any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*					
	Hiroaki KASAI	Idnoaler Cas		July 07,2006					
	Residence (City, State & Country)		CITIZENSHII	9					
	Kamaishi-shi, Japan		Japan						
	MAILING ADDRESS (Complete Street Address including City, State & Country) c/o MARINE BIOTECHNOLOGY INSTITUTE CO., LTD.								
	3-75-1, Heita, Kamaishi-shi, Iwate, 026-0001 Japan								
all Name of Fourth Inventor, if any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*					
	Yoshikazu SHIZURI	Gostin Sh		July 03, 2006					
	Residence (City, State & Country)		CITIZENSHII	7					
	Kamaishi-shi, Japan	Japan							
	MAILING ADDRESS (Complete Street Address including City, State & Country)								
	c/o MARINE BIOTECHNOLOGY INSTITUTE CO., LTD. 3-75-1, Heita, Kamaishi-shi, Iwate, 026-0001 Japan								
II Name of Eifth			DATE*						
il Name of Fifth Inventor, if any: see above	GIVEN NAME/FAMILY NAME Sadao KOMEMUSHI	Sadao Comenus	,						
		<u>ن</u>	July 18 2006						
	Residence (City, State & Country)		CITIZENSHII	? /					
	Osaka-shi, Japan	Japan							
	MAILING ADDRESS (Complete Street Address including City, State & Country)								
	4-27-2, Hiqashiawaji, Hiqashiyodoqawa-ku, Osaka-shi, Osaka 533-0023 Japan								
ll Name of Sixth Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*					
see above	Norihiko MISAWA	horchika nisawa		July 03, 2006					
	Residence (City, State & Country)		CITIZENSHII	,					
	Kamaishi-shi, Japan	Japan							
	MAILING ADDRESS (Complete Street Address including City, State & Country) c/o MARINE BIOTECHNOLOGY INSTITUTE CO., LTD.								
	3-75-1, Heita, Kamaishi-shi, Iwate, 026-0001 Japan								
	,,,,,								

Page 2 of 2 (Rev. 07/2003)

*DATE OF SIGNATURE